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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CHANG, YEAN HSI

ART UNIT

PAPER NUMBER

2835

DATE MAILED: 09/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application N .

09/844,543

Examiner

Yean-Hsi Chang

Applicant(s)

LAM, LAWRENCE

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 April 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-10,12,14-18 and 21-26 is/are rejected.
- 7) ☒ Claim(s) 2,3,11,13,19 and 20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1,4-6 and 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kikinis (US 5,841,424) in view of Batio (US 5,949,643).

Kikinis teaches a keyboard sled comprising:

- A receiving portion (19a, fig. 1) adapted to receive a portable computer system (37, fig. 4) (claim 1)
- An interface connector (29, fig. 2) disposed within said receiving portion (claim 1)
- A mounting mechanism (35, fig. 4) disposed within said receiving portion (claim 1)
- A keyboard portion (13, fig. 3) for providing alphanumeric keys (not shown, see col. 3, lines 20-22) (claims 1 and 5)
- Wherein a pass channel is provided between slots (53, fig. 5; also see col. 5, lines 35-43) (claim 4)

Art Unit: 2835

- Wherein said keyboard portion is a split keyboard (shown in fig. 4) having a left portion (13, fig. 4) and a separately located right portion (17, fig. 4) (claim 6)
- Wherein said computer system is a palmtop computer (see col. 4, lines 10-13) (claim 9)

Kikinis fails to teach a data storage access slot. However, Batio teaches a keyboard sled (202, fig. 19) comprising a data storage access slot (208, fig. 19). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Kikinis with the keyboard sled taught by Batio so that the connected portable computer may have more space for data storage.

3. Claims 10, 12 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kikinis (US 5,841,424) in view of Batio (US 5,949,643).

Kikinis teaches a gaming sled comprising:

- A receiving portion (19a, fig. 1) adapted to receive a portable computer system (37, fig. 4) (claim 10)
- An interface connector (29, fig. 2) disposed within said receiving portion enabling communication between said gaming sled and portable computer (claims 10 and 12)
- A mounting mechanism (35, fig. 4) disposed within said receiving portion (claim 10)

- A gaming controls portion (13, fig. 3) for providing game control input and include joystick functionality and function control buttons (15, fig. 4; see also col. 3, lines 20-22) (claims 10 and 15)
- Wherein a pass channel is provided between slots (53, fig. 5; also see col. 5, lines 35-43) (claim 14)

Kikinis fails to teach a data storage access slot. However, Batio teaches a gaming sled (202, fig. 19) comprising a data storage access slot (208, fig. 19). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Kikinis with the keyboard sled taught by Batio so that the connected portable computer may have more space for data storage.

4. Claims 18 and 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kikinis (US 5,841,424) in view of Batio (US 5,949,643).

Kikinis teaches a system comprising:

- A portable computer (37, fig. 4) (claim 18)
- A sled (11, fig. 4) comprising:
 - A receiving portion (19a, fig. 1) adapted to receive said portable computer system (claim 18)
 - An interface connector (29, fig. 2) disposed within said receiving portion to provide a communication link between said sled and said portable computer when installed (claim 18)

Art Unit: 2835

- A mounting mechanism (35, fig. 4) disposed within said receiving portion (claim 18)
- A keyboard portion (13, fig. 3) for providing alphanumeric input keys (not shown, see col. 3, lines 20-22) (claims 18 and 22)
- Wherein a pass channel is provided between slots (53, fig. 5; also see col. 5, lines 35-43) (claim 21)
- Wherein said keyboard portion is a split keyboard (shown in fig. 4) having a left side portion (13, fig. 4) and a separately located right side portion (17, fig. 4) (claim 23)
- A gaming control portion (15, fig. 4; see also col. 3, lines 20-22) (claim 24)

Kikinis fails to teach a data storage access slot. However, Batio teaches a keyboard sled (202, fig. 19) comprising a data storage access slot (208, fig. 19). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Kikinis with the keyboard sled taught by Batio so that the connected portable computer may have more space for data storage.

5. Claims 7-8, 16-17 and 25-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kikinis in view of Batio, further in view of Madsen et al. (US 6,181,284 B1).

Kikinis in view of Batio discloses the claimed invention except a wireless modem. However, Madsen teaches a keyboard sled (26, fig. 1) comprising an antenna system (12, fig. 1) being configured to be in communication with a wireless communication

Art Unit: 2835

network which may include wireless modem and Bluetooth technology (see col. 7, lines 21-30). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Kikinis modified by Batio with the antenna system taught by Madsen such that the sled may be able to communicate with a wireless network.

Allowable Subject Matter

6. Claims 2-3, 11, 13 and 19-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of record, Kikinis (US 5,841,424), Batio (US 5,949,643) and Madsen et al. (US 6,181,284 B1) taken alone or in combination, fails to teach or fairly suggest a keyboard sled comprising: a receiving portion being configured to receive a portable computer system in a landscape orientation as set forth in claims 2, 11 and 19; and a mounting mechanism being insertable in a mounting hook receiving slot of a portable computer as set forth in claims 3, 13 and 20.

Correspondence

Art Unit: 2835

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (703) 306-5798. The examiner can normally be reached on 07:30-16:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (703) 308-4815. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431 for regular communications and for After Final communications. There are RightFAX numbers and provide the fax sender with an auto-reply fax verifying receipt by the USPTO: Before-Final (703-872-9318) and After-Final (703-872-9319).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 305-8558.

Yean-Hsi Chang
Patent Examiner
Art Unit: 2835
September 15, 2002


DARREN SCHUBERG
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